TABLE OF MINIMUM COVER AND STRUTTING REQUIREMENTS FOR CONSTRUCTION LOADS

	TABLE OF MINIMUM COVER AND CHACTERS ARE ARE TO THE CONTROL OF CONTROL												
		TYPE			18-50 k AXLE		50-75 k AXLE		75-110 k AXLE		110-150 k AXLE		
		MAXIMUM DESIGN FILL	SPAN	CELLS	Min COVER	STRUTS REQUIRED	STRUT SIZE AND SPACING	STRUTS REQUIRED	STRUT SIZE AND SPACING	STRUTS REQUIRED	STRUT SIZE AND SPACING	STRUTS REQUIRED	STRUT SIZE AND SPACING
		10'-0" AND 20'-0"	4'-0" TO 8'-0"	SINGLE AND MULTIPLE	5′-0"								
	BOX CULVERTS	10'-0"	10'-0" TO 14'-0"	SINGLE AND MULTIPLE	5′-0"			⅓ Points	STRUTS 6" × 6" @ 3'-6" SILLS 6" × 8"	√3 Points	STRUTS 6" x 8" @ 3'-6" SILLS 6" x 8"	√3 Points	STRUTS 6" x 8" @ 3'-6" SILLS 6" x 8"
		20'-0"	10'-0" TO 14'-0"	SINGLE AND MULTIPLE	5'-0"								

Dist	COUNTY	ROUTE	POST TOTAL P	MILES ROJECT	SHEET No.	TOTAL SHEETS
REG Oc	tober 3	0, 2015	NEER	Si Carı Si No. Ci	M. Duan 59976 -30-16	Cre INEES
OR AGE	ENTS SHALL	IFORNIA OR ITS NOT BE RESPON COMPLETENESS AN SHEET.	SIBLE FOR	//* /· ·	CAL FORM	/ 4//

Min COVER

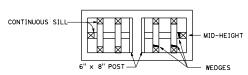
TABLE OF MINIMUM COVER FOR CONSTRUCTION LOADS

	TYPE	Dia OR SPAN	18-50 k AXLE	50-75 k AXLE	75-110 k AXLE	110-150 k AXLE
	DIDEC	Dia 12" TO 39"	2'-0"	3'-0"	3'-0"	3'-0"
REINFORCED CONCRETE	PIPES	Dia 42" TO 108"	Dia 1.75 OR 3'-0"	Dia 1.75 OR 3'-0"	Dia 1.75 OR 3'-0"	Dia 1.75 OR 3'-0"
CULVERTS	ARCHES	SPANS TO 14'-0"	SPAN OR 4'-0"	SPAN OR 4'-0"	SPAN OR 4'-0"	SPAN or 4'-0"
	ARCHES	SPANS 15'-0" TO 22'-0"	SPAN 3.5 OR 6'-0"	SPAN OR 6'-0"	SPAN 3.5 OR 6'-0"	SPAN OR 6'-0"
	PIPES	Dia TO 120"	Dia OR 4'-0"	Dia 1.75 OR 4'-0"	Dia 1.75 OR 4'-0"	Dia 1.75 OR 4'-0"
METAL		Dia OVER 120"	Dia OR 6'-0"	Dia OR 6'-0"	Dia OR 6'-0"	Dia OR 6'-0"
CULVERTS	PIPE ARCHES	AII Spans	SPAN OR 4'-0"	SPAN OR 4'-0"	SPAN OR 4'-0"	SPAN OR 4'-0"
	STRUCTURAL PLATE PIPE, ARCHES AND VEHICULAR UNDERCROSSINGS	ALL SPANS	SPAN 3 OR 5'-0"	SPAN OR 5'-0"	SPAN OR 5'-0"	SPAN OR 5'-0"
PLA	STIC PIPE	Dia 12" TO 60"	Dia 1.75 OR 4'-0"	Dia 1.75 OR 4'-0"	Dia 1.75 OR 4'-0"	Dia 1.75 OR 4'-0"

MINIMUM LENGTH OF STRUTTING

WIDTH OF HAUL ROAD

LENGTH TO BE STRUTTED



RCB STRUTTING DETAILS

NOTES:

RCB CULVERT

Length of strutting to be determined by the Engineer, but shall not be less than as shown in the sketch above.

Assumed tire patterns:

50 k axle 2'-0" x 1'-6" 75 k axle 3'-0" x 2'-0" 110 k axle 3'-0" x 2.5' 150 k axle 3'-0" x 3'-0"

Impact = 10%

Sills to be glue-laminated or solid timber.

For strutting requirements of Structural Steel Plate Vehicular Undercrossing, Structural Steel Plate Arches and Structural Steel Plate Pipes during construction, see Standard Plan D88A.

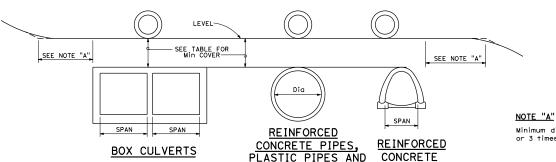
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION LOADS ON CULVERTS

NO SCALE

D88

NOTE: Minimum cover shall be the greater value of alternatives shown. The diameter and spans shown in the table to calculate the minimum cover (Example: $\frac{\text{Dia}}{1.75}$) is the diameter or span of the facility expressed in number of feet.



METAL CULVERTS

ARCH CULVERTS

Minimum distance equals 3 times the span or 3 times the diameter.